

ILLINOIS
COMMONWEALTH Edison
COMMISSION

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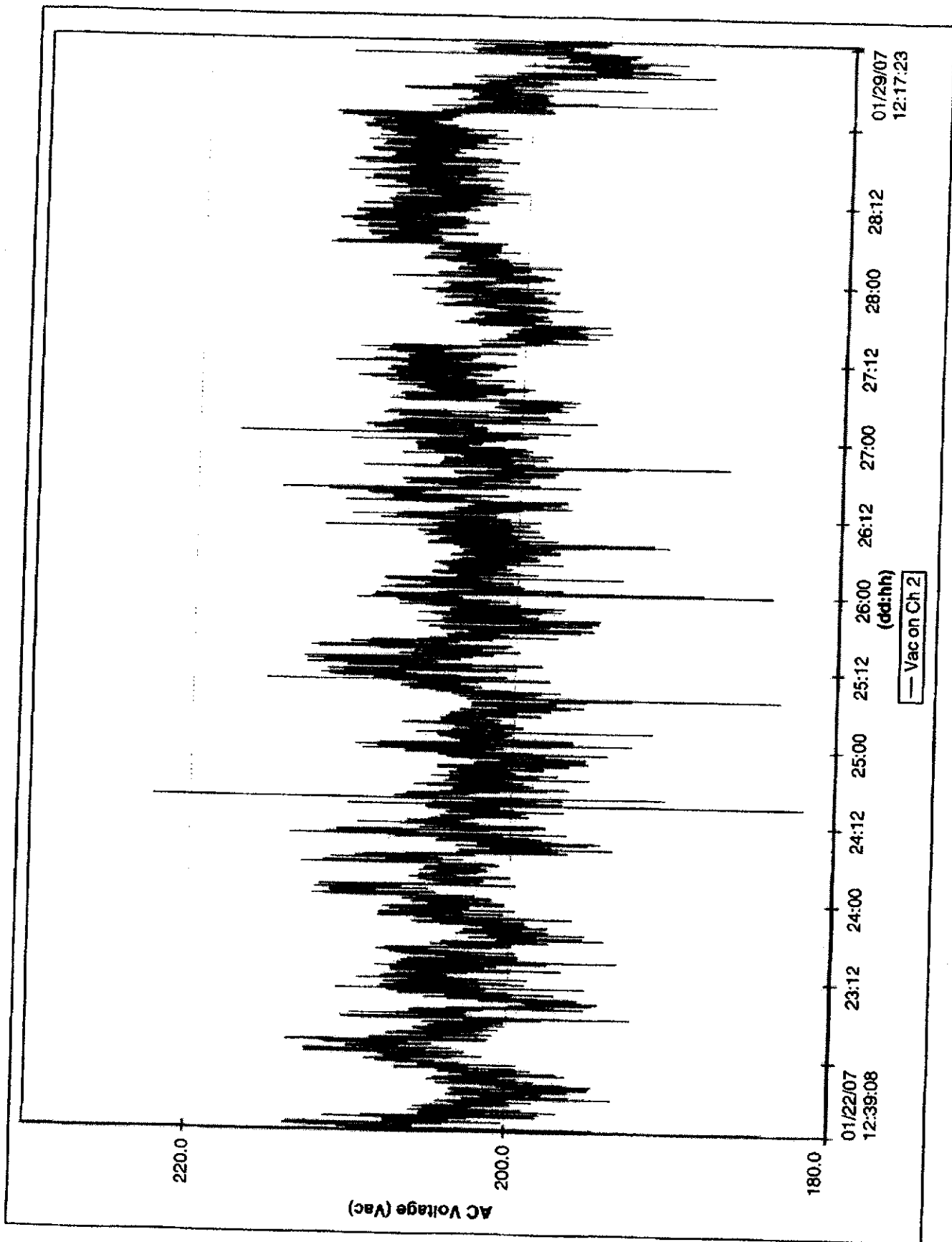
REBUTTAL TESTIMONY

**OF
GEOFFREY DOMINIAC**

- 1 **Q. Please state your full name, by whom you are employed and in what**
2 **capacity?**
- 3 A. Geoffrey Dominiak, Commonwealth Edison Company ("ComEd"),
4 Senior Engineer, Distribution Capacity Planning Department.
- 5 **Q. How long have you been employed at ComEd and how long have you**
6 **been in your current position?**
- 7 A. I have worked for ComEd 12 years, 4 years in the Distribution Capacity
8 Planning Department.
- 9 **Q. Please describe your duties as Senior Engineer of that department?**
- 10 A. Generally, I am responsible for the evaluation and planning for the
11 modifications reinforcements, upgrades, and expansions to ComEd's
12 distribution system to ensure that adequate capacity is available.
- 13 **Q. Do you have any special training for your job?**
- 14 A. I hold a degree in Mechanical Engineering for the University of Illinois at
15 Chicago.
- 16 **Q. What is the purpose of your Rebuttal Testimony in this proceeding?**
- 17 A. The purpose of this rebuttal testimony is to respond to certain criticisms
18 made by Staff witness Greg Rockrohr in his Direct Testimony, Staff
19 Exhibit 1.0.
- 20 **Q. Mr. Rockrohr criticized ComEd for not having calculations**
21 **regarding the effect of the two capacitors on the distribution circuit's**
22 **voltage (Page 10, Lines 220-228). What is your response?**
- 23 A. When previously requested, the calculations were not immediately
24 available. Upon further searching calculations were located on a hard
25 drive at a computer at a remote location and subsequently forward to
26 Staff. For reference they are attached as an Appendix to this testimony
27 and were attached as ComEd Exhibit 1.2 to Mr. Brown's Rebuttal
28 Testimony.
- 29 **Q. Mr. Rockrohr criticized ComEd stating that ComEd should have**
30 **installed smaller capacitors to more adequately measure voltage**
31 **changes (Page 12, Lines 254-268). What is your response?**
- 32 A. The study showed that a total addition of 2400kVar was needed to
33 adequately correct the customer's low voltage. Two-1200kVar capacitor
34 banks were used instead of 4-600kVar capacitor banks because it is faster
35 to install capacitor banks at two locations rather than at four locations.
- 36 **Q. Mr. Rockrohr criticized ComEd for not using distribution regulators**
37 **to maintain proper voltage at the Gates premise. What is your**
38 **response?**

39 A. The customer was located 13 miles from the substation. The study
40 showed that the addition of 2-1200kvar capacitor banks were adequate to
41 solve the low voltage problem. Both capacitor banks were installed with
42 settings for voltage control. The settings for the first capacitor bank
43 were on at 119V and off at 125V. The settings for the second capacitor
44 bank were on at 118V and off at 126V. Installing regulators would have
45 taken longer to do. Capacitors raise the voltage throughout the feeder,
46 while regulators only affect the downstream voltage. Occasionally, the
47 circuit needs to be reconfigured because of maintenance or emergencies.
48 In these cases, the feeder may need to be picked up by another feeder whose
49 source is in the opposite direction of K405's source. Then the regulator
50 would not be able to help the voltage on the feeder, while the capacitors
51 would still be able to.
52 **Q. Does this conclude your testimony?**
53 A. Yes.

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